

## **ABSTRACT**

A mobile home-land intelligent system's technology "H-LIST" for monitoring suspicious terrorist activities and for tracking biological and chemical gases, and explosives, including stationary and portable weapons of mass destruction such that are likely carried on the body of a terrorist person or suicide bombers, or that are likely planted in a parked vehicle or carried inside a moving vehicle, includes a sensed jacket that is worn by an officer, a security officer, a bus driver, hostesses and the like, for sensing deadly gases and explosives while patrolling a defined area. A receptor is attached on a waist belt and connected to a sensed jacket's out put connector wirelessly for empowering the sensors and for receiving signal communication wirelessly indicative of the sensed agent.

Detected signals are transported wirelessly through radio frequency signals to a central security monitoring station, enabling backup security personnel or agents to the vicinity of the detection. The sensors are multifunctional and coded to recognize wavelike pattern of gases and explosives through the generated radio wave frequencies of a transmitter and a frequency-modulating receiver.